

# MCQ

Sheet 1

1) The slope of a line  $u$  is 5 and is parallel to the line  $v$  which passes through the point  $(-4, -2)$ . Which of the following represents the equation of the line  $v$ ?

- a)  $5x + y = 18$       b)  $5x - y = -18$       c)  $5x - 5y = 18$       d)  $5x - y = 15$

2) Which of the following line passes through the point  $(-5, 8)$  has the slope 4?

- a)  $4x - y = 28$       d)  $4x - y = -28$

3) Which of the following line passes through the point  $(2, 5)$  and  $(5, -1)$ ?

- a)  $x - y = 3$       d)  $-x + y = 6$

4) Identify the equation of the line that has a y-intercept as  $-8$  and a x-intercept as  $9$ .

- a)  $9x - 8y = -72$       d)  $9x + 8y = -72$

5) Which of the following line passes through the point  $(-2, 5)$  and has a slope of 2?

- a)  $2x + y = 4$       d)  $2x - y = 5$

6) The slope of a line  $n$  is  $-\frac{1}{2}$  and it is perpendicular to the line  $m$  that passes through the point  $(-6, -4)$ . Identify the equation of the line  $m$ .

- a)  $x - 8y = 8$       b)  $x + 8y = -38$       c)  $8x - y = 38$       d)  $8x - y = 8$

7) Identify the line that is perpendicular to the line  $x + y + 6 = 0$  and passes through the point  $(3, 5)$ .

- a)  $x + y = 2$       b)  $-x - y = 8$       c)  $x - y = -2$       d)  $x - y = -7$

## PREVIEW

Gain complete access to the largest collection of worksheets in all subjects!

Members, please log in to download this worksheet.

Not a member? Please sign up to gain complete access.

[www.mathworksheets4kids.com](http://www.mathworksheets4kids.com)

## Answer key

## MCQ

Sheet 1

1) The slope of a line  $u$  is 5 and is parallel to the line  $v$  which passes through the point  $(-4, -2)$ . Which of the following represents the equation of the line  $v$ ?

- a)  $5x + y = 18$        b)  $5x - y = -18$       c)  $5x - 5y = 18$       d)  $5x - y = 15$

2) Which of the following line passes through the point  $(-5, 8)$  has the slope 4?

- a)  $4x - y = 28$        d)  $4x - y = -28$

3) Which of the following line passes through the point  $(2, 5)$  and  $(5, -1)$ ?

- a)  $x - y = 3$       d)  $-x + y = 6$

4) Identify the equation of the line that has a y-intercept as  $-8$

- a)  $9x - 8y = -72$       d)  $9x + 8y = -72$

5) Which of the following line passes through the point  $(-2, 5)$  and has a slope of 2?

- a)  $2x + y = 4$        d)  $2x - y = 5$

6) The slope of a line  $n$  is  $-\frac{1}{2}$ . Identify the equation of the line  $m$  that passes through the point  $(-6, -4)$ .

- a)  $x - 8y = 8$        b)  $x + 8y = -38$       c)  $8x - y = 38$       d)  $8x - y = 8$

7) Identify the line that is perpendicular to the line  $x + y + 6 = 0$  and passes through the point  $(3, 5)$ .

- a)  $x + y = 2$       b)  $-x - y = 8$        c)  $x - y = -2$       d)  $x - y = -7$

# PREVIEW

Gain complete access to the largest  
collection of worksheets in all subjects!

Members, please  
log in to  
download this  
worksheet.

Not a member?  
Please sign up to  
gain complete  
access.

www.mathworksheets4kids.com